

# Belzona seals bridge leaks

ID: 8863

Industry: General Industry  
 Application: TCC-Tanks and Chemical Containment Areas  
 Substrate: Carbon steel  
 Products: Belzona 1121 (XL Metal),

Customer Location: Scotland  
 Application Date: August 2022

## Problem

Welding had been attempted but was found to be time consuming and impractical on the area. Any water present behind the gaps during the welding process would pose a hazard to the technician.



Bridge with leaking sections



Areas marked out



Belzona 1121 plate bonding



Application 18 months later

## Application Situation

A bridge had several gaps where water could penetrate & drip down onto a waterway below. A solution was required to seal these leak points.

## Application Method

The gaps were first marked out & prepared with an angle grinder. Suitably sized plates were sourced & prepared in the same way. The plates were then bonded to the surface. The slump resistance of the Belzona material was sufficient to hold the plates in place with no additional shuttering, saving time & cost.

## Belzona Facts

Belzona 1121 was used due to its extended working life, this feature was beneficial on this application as the works were carried out from a MEWP & time was needed to position in between the plate applications.

The application was reviewed 18 months later and is in perfect condition

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ISO 9001:2015  
 FS 695214  
 ISO 14001:2015  
 EMS 695213

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